

About > News > Verizon News Archives > Verizon to Deploy the Industry's First Eight Terabit Platform in Its Global MPLS Backbone



06.25.2012 | Verizon News Archives

Verizon to Deploy the Industry's First Eight Terabit Platform in Its Global MPLS Backbone



NEW YORK and SUNNYVALE, Calif. -- Verizon plans to deploy the Juniper Networks® PTX Series in major markets in the U.S. and Europe by the end of this year, giving the company the densest multiprotocol label switching platform available in the industry, with an initial capacity of eight terabits per second.

The initiative is another step in Verizon's network evolution to deliver higher speeds, improved latency, increased capacity and enhanced performance to its customers. This deployment provides an upgrade of the Verizon global IP backbone to 100G Ethernet, supporting customer access speeds of 10G and above and enabling growth for FiOS, wireless and cloud services.

"In a world where customer needs and speeds are steadily increasing, Verizon will be able to improve the scalability and efficiency of its core MPLS network by employing the industry-leading switch density of the Juniper Networks PTX," said Ihab Tarazi, vice president of global IP and transport planning and technology for Verizon. "The PTX provides significant packet processing power, system scale and reduced power consumption – all of which will help Verizon meet its future needs."

Built for high capacity, the Juniper Networks PTX Series provides up to 16 terabits per second of capacity in a single chassis as well as industry-leading density in 10G (gigabit), 40G and 100G Ethernet interfaces. Verizon will initially deploy the PTX5000, which delivers eight terabits per second of capacity, with plans to eventually move toward higher terabit capacity.



Platform Systems Division. Today, Verizon makes another landmark decision by selecting the PTX Series, the industry's first converged packet transport switch, to advance its network core and provide future-ready scalability while dramatically simplifying its infrastructure overhead.

"The PTX Series will not only help enable Verizon to provide to its customers additional service options and a superior user experience, but it will also ultimately improve network performance and efficiency," Dyckerhoff said.

This next-generation technology will support private and public IP services, including Ethernet, while offering greater capacity, reduced power consumption per gigabit, increased cost efficiency and a technology roadmap to scale in the future.

"Service providers face significant operational challenges as packet data traffic volume across global wireline and broadband wireless networks is forecast to increase seven-fold by 2015, driven by significant increases in Internet, IP data, video, over-the-top traffic, content distribution networks and mobile data traffic," said Nav Chander, research manager, enterprise telecom at IDC. "Verizon's decision to deploy a next-generation packet optimized core transport solution helps Verizon better prepare and manage this network growth for the diverse packet data applications across its global network infrastructure and portfolio of wireless and wireline services."

Verizon and Juniper Networks teamed to leverage proven MPLS technology and create a highly scalable, simplified network architecture capable of supporting powerful cloud, video and advanced applications worldwide.

"Verizon's market leadership is founded not only on the delivery of quality services and meeting customers' needs but through collaboration with key industry players such as Juniper Networks," said Tarazi.

Verizon worked closely with Juniper Networks to advance the Junos Express chipset to achieve lowered power requirements, increased performance and reduced cost – all of which help meet the growth challenges of Verizon's customer base.

Verizon Communications Inc. (NYSE, Nasdaq: VZ), headquartered in New York, is a global leader in delivering broadband and other wireless and wireline communications services to consumer, business, government and wholesale customers. Verizon Wireless operates America's most reliable wireless network, with 93 million retail customers nationwide. Verizon also provides converged communications, information and entertainment services over America's most advanced fiber-optic network, and delivers integrated business solutions to customers in more than 150 countries, including all of the Fortune 500. A Dow 30 company with \$111 billion in 2011 revenues, Verizon employs a diverse workforce of nearly 192,000. For more information, visit www.verizon.com.

About Juniper Networks

Juniper Networks (NYSE: JNPR) is in the business of network innovation. From devices to data centers, from consumers to cloud providers, Juniper Networks delivers the software, silicon and systems that transform the experience and economics of networking. Additional information can be found at Juniper Networks (www.juniper.net).

####

VERIZON'S ONLINE NEWS CENTER: Verizon news releases, executive speeches and biographies, media contacts, high-quality video and images, and other information are available at Verizon's News Center on the World Wide Web at www.verizon.com/news. To receive news releases by e-mail, visit the News Center and register for customized automatic delivery of Verizon news releases.

Media Contacts

Area: Global
Name: Lynn Staggs
Tel: +1-918-590-2403



Tel: 408-398-6668
E-mail: pradda@juniper.net

Related Articles



Putting our employees' health and wellness first

05.09.2016

Verizon offers 43 on-site health & wellness centers, and a large staff of a fitness and diet professionals.



Consensus: More wireless phones should work with hearing aids

11.19.2015

Today's FCC action on hearing-aid-compatible devices is the result of a successful collaborative effort.

<div>Services & Solutions</div> <div>Mobile Plans</div> <div>Mobile Devices</div> <div>Home Services</div> <div>Small and Medium Business</div> <div>Enterprise Solutions</div> <div>Verizon Connect</div> <div>Public Sector</div> <div>Partner Solutions</div> <div>Support</div> <div>Mobile Online Support</div> <div>Home Online Support</div>	<div>Network Technologies</div> <div>4G LTE</div> <div>5G</div> <div>Fiber Optics</div> <div>Multi Edge Compute (MEC)</div> <div>Innovation</div> <div>5G Labs</div> <div>5G First Responder Lab</div> <div>New Business Incubation</div> <div>Verizon Ventures</div> <div>Thingspace</div> <div>5G Future Forum</div>	<div>Ad and Content Platforms</div> <div>Verizon Digital Media Services</div> <div>Verizon Media Advertising Solutions</div> <div>Verizon Media Platform Solutions</div> <div>Yahoo</div> <div>Techcrunch</div> <div>Engadget</div> <div>RYOT</div> <div>Aol.</div> <div>Build</div> <div>Makers</div> <div>Autoblog</div>	<div>Follow Careers</div> <div><div><div>f</div><div>t</div><div>y</div><div>@</div><div>in</div></div></div> <div>Follow Verizon News</div> <div><div><div>t</div><div>@</div></div></div> <div>Follow Inside Verizon</div> <div><div><div>f</div><div>t</div><div>@</div></div></div> <div>Follow Customer Support</div> <div><div><div>f</div><div>t</div></div></div> <div>Top</div>
---	--	--	--

News Center

Blog

Networks & Platforms

Products & Plans

Responsible Business

Public Safety

Inside Verizon

Financial

Verizon Works

Press Tools

Store Locator

verizon

Privacy Policy

Do Not Sell My Personal Information

Terms & Conditions

Accessibility

Open Internet

Important Consumer Information

About Our Ads

Site Map

©2021 Verizon

